





Alternatives to Loops











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Alternatives to Loops

- Technologies
 - Microwave
 - Video











Construction sites













Detection Test Site Work Group



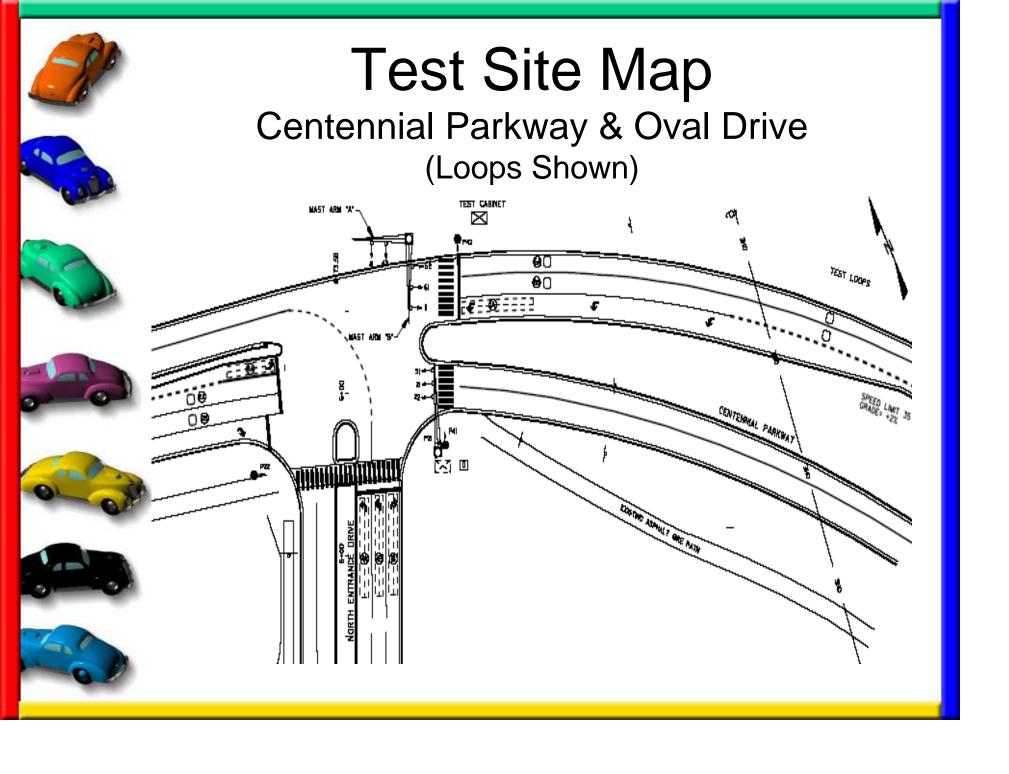
- Purpose
 - Selecting a Test Site Location
 - Construction of Test Site
 - Evaluation of Detection Equipment















Centennial Parkway & Oval Drive















Microwave Detection Equipment (currently in use)







- Presence Detection Application
- Side-fire



- Cost: ~\$2000



MS SEDCO's TC26-B



- Pulse Detection Application
- Side-fire



- Cost: ~\$500



Sensors Tested



• Icoms' TM60



EIS' RTMS

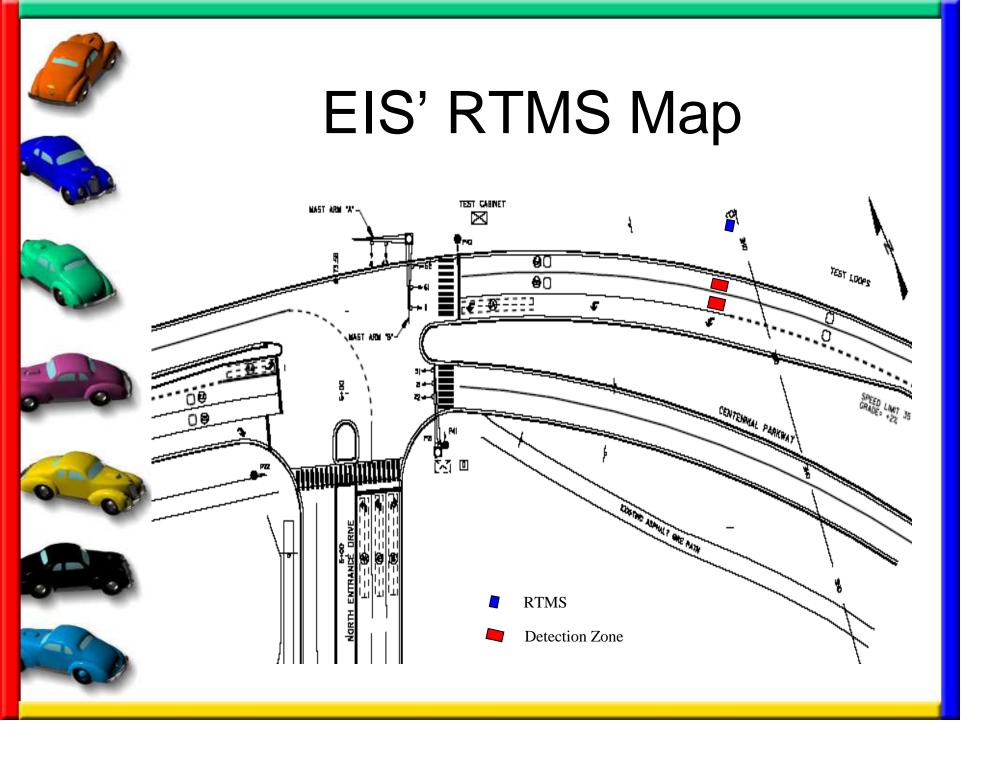


- Wavetronix' SmartSensor
- Econolite's Solo Pro























EIS' RTMS



- Microwave detection
- Optimally side-fire mounted
- Up to 8 zones over 200'













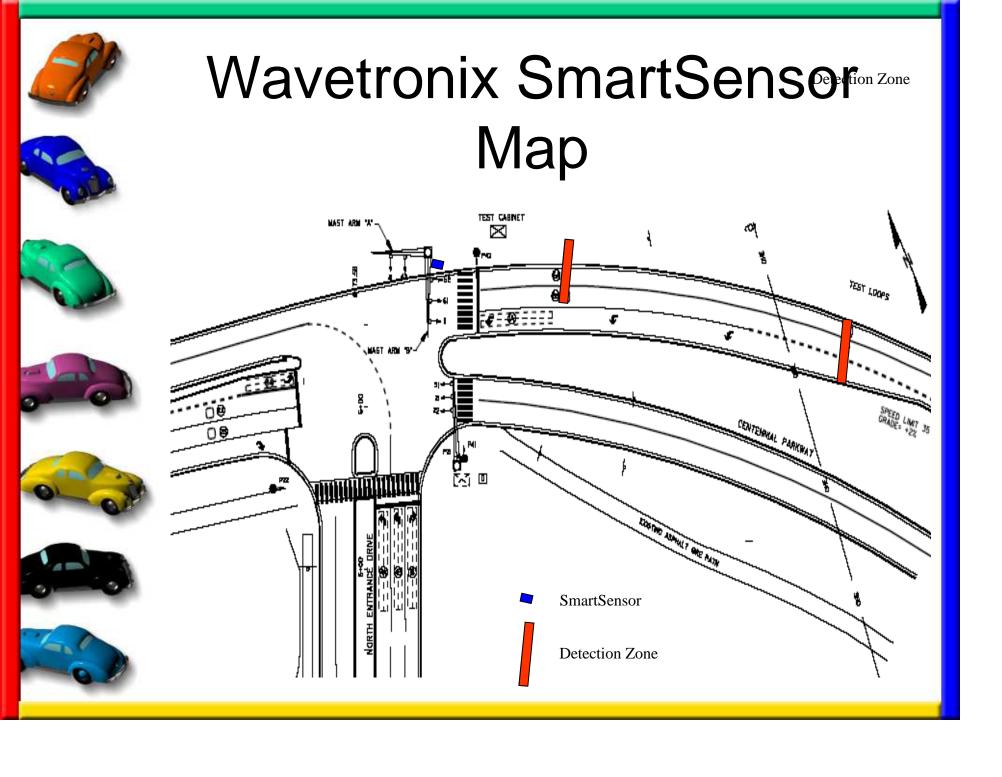


EIS' RTMS (cont.)



- Wireless option to cabinet
- Cost: \$3500-4000







Wavetronix' SmartSensor Advance



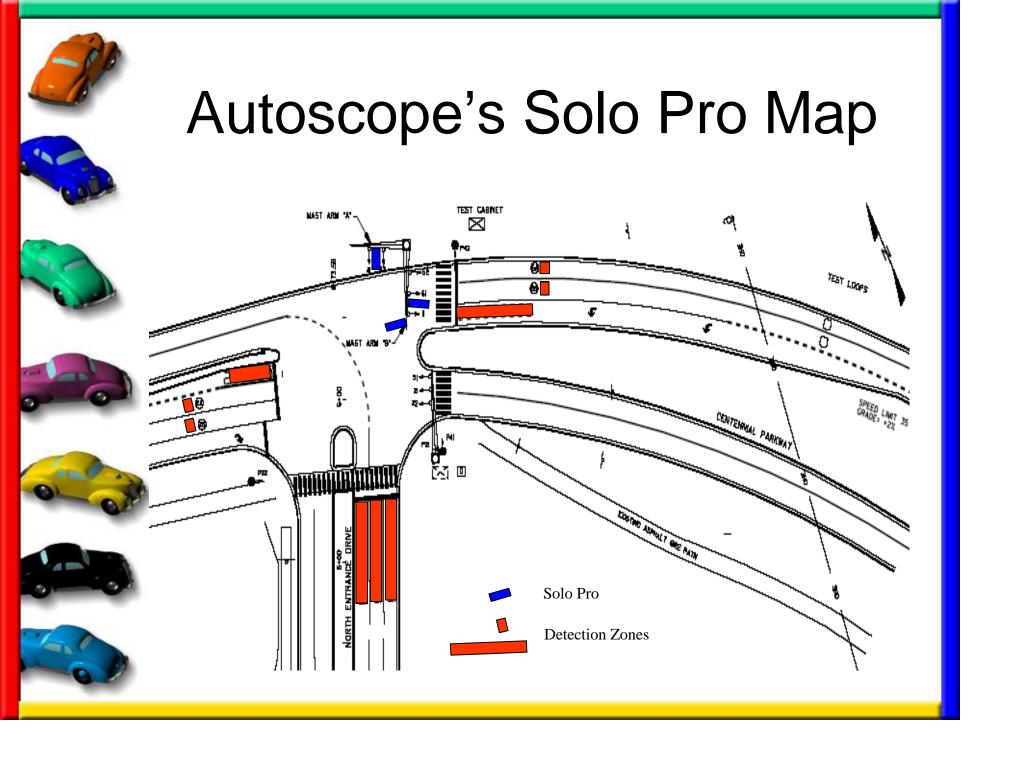








- Microwave detection
- Front-fire mounting
- Up to 8 zones over 500'
- Wireless option to cabinet
- Cost: \$4100





Autoscope's Solo Pro













- Video detection
- Optimally front-fire mounted
- Up to 50 detection zones
- Costs:
 - Camera = \$3450
 - ACIP1 = \$585
 - ACIP4 = \$1165













Test Results

- Count Volume Percentages Observed (percentages from 6-hour sample time periods)
 - -RTMS is 97% 100%
 - SmartSensor is 100% 105%
 - Solo Pro (for overhead front-fire mount in only daylight conditions) is 97% 102%















Thanks and Appreciation!

- Division 5
 - Installing test cabinet
 - Installing and moving sensors at test site
- Paul Marak and John Walden
 - Setting up controller and collecting data
- Vendors
 - Providing sensors and expertise
- Test Site Committee
 - Researching equipment and test site